

## Product datasheet

anti-M13/fd/F1 Filamentous Phages mouse monoclonal, B62-FE2, lyophilized, purified, 100 µg

### Short overview

<b>Cat. No.</b>	61097
<b>Quantity</b>	100 µg
<b>Concentration</b>	100 µg/ml after reconstitution with 1 ml dist. water

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Clone</b>	B62-FE2
<b>Immunogen</b>	Fd phages from E. coli F+ strain (JM109)
<b>Formulation</b>	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
<b>Synonym</b>	M13
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ELISA, IEM, Phage display, WB
<b>Reactivity</b>	Filamentous phages F1, Filamentous phages M13, Filamentous phages fd

### Applications

<b>ELISA</b>	1:1,000
<b>Cell-based Assay</b>	Assay dependent
<b>Phage Display</b>	Assay dependent (detection limit: 1E+07 phage particles)
<b>Western Blot (WB)</b>	Assay dependent

### Background

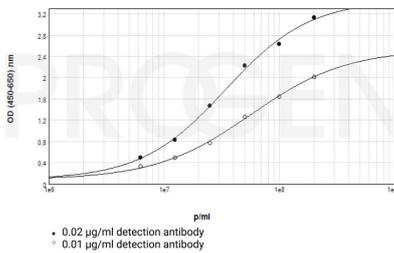
B62-FE2 binds to an epitope on pVIII (phage coat protein) covering the N-terminal region of g8p AEGDDPAKAAFDSLQASAT (Kneissel et al. 1999).

Kneissel, S. et al. Epitope structures recognised by antibodies against the major coat protein (g8p) of filamentous bacteriophage fd (Inoviridae). J. Mol. Biol. 288, 21-8 (1999).

## Product images



anti-M13/fd/F1 Filamentous Phages mouse monoclonal, B62-FE2, lyophilized, purified, 100 µg



Phage ELISA with B62-FE2 as capture antibody (Cat. No. 61097) and B62-FE2, Biotin conjugate (Cat. No. 61597) as detection antibody (1:5000 (0.02 µg/ml) and 1:1000 (0.01 µg/ml)).

## References

Publication	Species	Application
<a href="#">Seidel-Greven, M. et al. Isolation and light chain shuffling of a Plasmodium falciparum AMA1-specific human monoclonal antibody with growth inhibitory activity. Malar. J. 20, 1â€“20 (2021).</a>	M13	ELISA
<a href="#">Rondot, S., Koch, J., Breitling, F. &amp; DÃ¼bel, S. A helper phage to improve single-chain antibody presentation in phage display. Nat. Biotechnol. 19, 75-8 (2001).</a>	M13	ELISA
<a href="#">Kneissel, S. et al. Epitope structures recognised by antibodies against the major coat protein (g8p) of filamentous bacteriophage fd (Inoviridae). J. Mol. Biol. 288, 21-8 (1999).</a>	fd	WB
<a href="#">Micheel, B. et al. Production of monoclonal antibodies against epitopes of the main coat protein of filamentous fd phages. J. Immunol. Methods 171, 103-9 (1994).</a>	fd	ELISA,IEM